

PATENT CLAIMS

1. Refrigerator housing including

an one-piece external housing made (6) from synthetic material;

an internal housing (1) made from synthetic material, which forms a cooling compartment and comprises an access opening (2);

said external housing (6) and said internal housing (1) being in sealed manner connected to one another in the region of said access opening (2) on the front side, welded together or glued together in particular, and a hollow space (12) serving for isolation being formed between internal housing (1) and external housing (6);

characterized in that said external housing (6) on its rear side comprises an opening (11) through which essentially the entire hollow space is accessible for introducing isolation material.

2. Refrigerator housing as defined in claim 1, **characterized in that** said external housing (6) and said internal housing (1) are injection-molded components.

3. Refrigerator housing as defined in claim 1 or 2, **characterized in that** said internal housing (1) and said external housing (6) are connected to one another by a synthetic material joining method, ultrasonic welding in particular.

4. Refrigerator housing as defined in one of the preceding claims, **characterized in that** said opening (11) in said external housing (6) is covered by a cover plate (13).
5. Refrigerator housing as defined in one of the preceding claims, **characterized in that** said opening (11) in said external housing (6) is formed by the side walls of said external housing (11).
6. Refrigerator housing as defined in one of the preceding claims, **characterized in that** said hollow space (12) is filled with isolation material, in particular in dependence on the case of application with vacuum panels, styrofoam, polyurethane foam or a combination thereof.
7. Refrigerator housing as defined in claim 6, **characterized in that** said isolation material includes vacuum isolation panels.
8. Refrigerator housing as defined in claim 6, **characterized in that** said isolation material includes polyurethane foam and/or styrofoam and/or glass wool.
9. Refrigerator housing as defined in one of the preceding claims, **characterized in that** one or several hinges or hinge elements (9) are provided for on said external housing (6).
10. Refrigerator housing as defined in claim 9, **characterized in that** said hinge element or elements (9) are snap elements and/or pins.

11. Refrigerator housing as defined in claim 9 or 10, **characterized in that** said hinge element or elements are integrally formed with said external housing (6) or are provided for as inset elements.
12. Refrigerator housing as defined in one of the preceding claims, **characterized in that** said a condensation water outlet (3) integrally formed with said internal housing (1) is provided for.
13. Refrigerator housing as defined in one of the preceding claims, **characterized in that** said internal housing comprises recesses (5) for insertion of deposition elements and/or carrier elements (strips) for those.
14. Refrigerator housing as defined in one of the preceding claims, **characterized in that** said internal housing (1) on its rear side has an opening (4) for hanging in or passing through a refrigerating unit or at least a part of said refrigerating unit.
15. Refrigerator housing as defined in one of the preceding claims, **characterized in that** said the electronics of a refrigerating unit or a component including electronics can be inset into said refrigerator housing.
16. Refrigerator housing as defined in one of the preceding claims, **characterized in that** at least one passage channel integrally formed with said internal housing (1), for passage of illumination cables in particular, is provided for.

17. Refrigerator housing as defined in one of the preceding claims, **characterized in that** a door (14) connected to said external housing (6) is provided for.
18. Refrigerator housing as defined claim 17, **characterized in that** said door (14) includes an inside part (17) and an outside part (18) from injection-molded synthetic material, which are welded or glued to one another.
19. Refrigerator housing as defined claim 18, **characterized in that** on said inside part (17) a sealing (15), injection-molded thereto in particular, is provided for.
20. Refrigerator housing as defined claim 18 or 19, **characterized in that** between said inside part (17) and said outside part (18) isolation material, polyurethane foam in particular, is provided for, injection-molded thereto in particular.
21. Refrigerator housing as defined in one of the claims 17 to 20, **characterized in that** said door (14) in its corners comprises hinge pins (16).